



**HORNVAL**

**EVERY-  
THING  
ABOUT  
YOUR  
ROOF**

**Houses and residences:**

|                |          |
|----------------|----------|
| <b>H1</b>      | <b>1</b> |
| <b>H2</b>      | <b>2</b> |
| <b>H3</b>      | <b>3</b> |
| <b>H4</b>      | <b>4</b> |
| <b>H6</b>      | <b>5</b> |
| <b>H6 MAX</b>  | <b>6</b> |
| <b>H6 WAVE</b> | <b>7</b> |
| <b>H7</b>      | <b>8</b> |

**Garden:**

|                            |           |
|----------------------------|-----------|
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| <b>O2_Edging - tree</b>    | <b>10</b> |
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|                            |           |
|----------------------------|-----------|
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| <b>P2_Steel soffit</b>     | <b>15</b> |
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**Gutters:**

|                       |              |
|-----------------------|--------------|
| <b>Gutters system</b> | <b>17-23</b> |
|-----------------------|--------------|

**ECO+:**

|                          |              |
|--------------------------|--------------|
| <b>ECO + Accessories</b> | <b>24-28</b> |
|--------------------------|--------------|

**Trapezoidal sheets:**

|                   |           |
|-------------------|-----------|
| <b>E7</b>         | <b>29</b> |
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| <b>E35</b>        | <b>34</b> |
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**Quality classes:**

|                |              |
|----------------|--------------|
| <b>Classes</b> | <b>45-48</b> |
| <b>Colours</b> | <b>49-50</b> |

# H1



Quality classes:



Photo:

Technical informations:



Important information:

Number of modules in 1 pc. of panel – 2  
 Length 1 pc. – 71 cm  
 Quantity of pcs. on 1 pallet – 200 pcs.  
 Quantity of m<sup>2</sup> per pallet – 170,64 m<sup>2</sup>

# H2

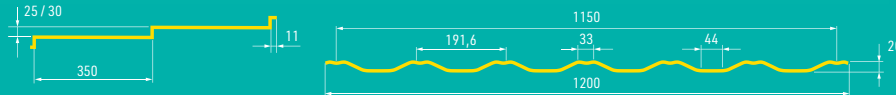


Photo:

Quality classes:



Technical informations:



Important information:

- Embossing height - 25 or 30 mm
- Number of modules in 1 pc. of panel - 2
- Length of 1 pc. - 71 cm
- Quantity of pcs. on 1 pallet - 200 pcs.
- Quantity of m<sup>2</sup> pro Palette - 170,64 m<sup>2</sup>

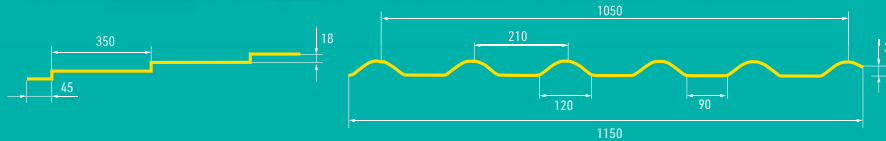
# H3



Photo:

Technical informations:

Important information:



Min. sheet length - 0,7 m  
 Max. recommended sheet length - 6,5 m  
 Min. slope inclination - 10°

Quality classes:

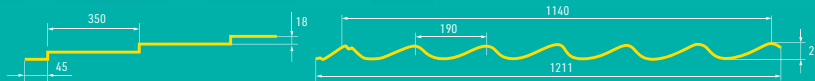


# H4



Photo:

Technical informations:



Important information:

Min. sheet length - 0,7 m  
 Max. recommended sheet length - 6,5 m  
 Min. slope inclination - 10°

Quality classes:



# H6

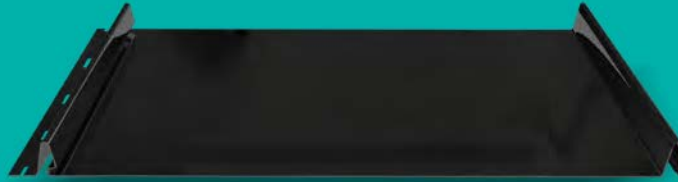
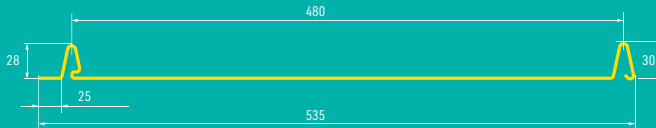


Photo:

Technical informations:

Important information:



Min. sheet length 1 m / Max. sheet length 8 m

Effective width 480 mm

The panels have mounting holes for easy mounting to the structure.

Quality classes:



# H6 MAX

Photo:



Technical informations:



Important information:

Min. sheet length 1 m / Max. sheet length 8 m

Effective width 480 mm

The panels have mounting holes for easy mounting to the structure.  
Longitudinal profiling reduces the wavelength of the flat surface.

Quality classes:





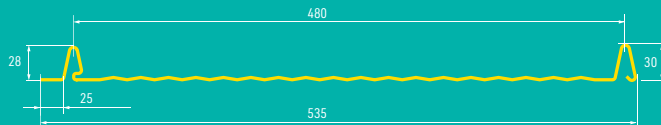
# H6 WAVE



Photo:

Technical informations:

Important information:



Min. sheet length 1 m / Max. sheet length 8 m

Effective width 480 mm

The panels have mounting holes for easy mounting to the structure.

Longitudinal profiling reduces the wavelength of the flat surface.

Quality classes:



# H7



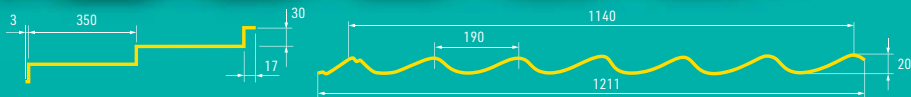
Photo:



Quality classes:



Technical informations:



Important information:

Embossing height – 30 mm  
 Number of modules in 1 pc. of panel – 2  
 Length of 1 pc. – 72,2 cm  
 Quantity of pcs. on 1 pallet – 200 pcs.  
 Quantity of m<sup>2</sup> pro Palette – 174,87 m<sup>2</sup>

# 01

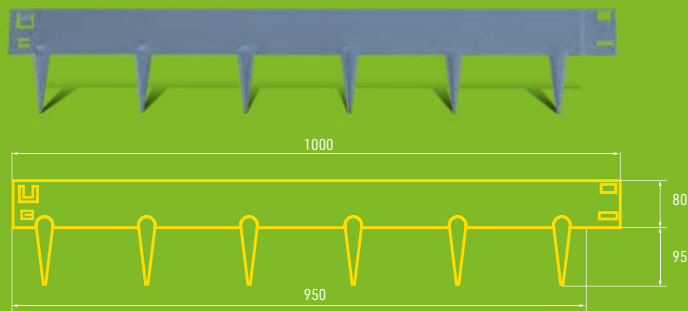
## Edging - grass

Photo:

Technical informations:

Important information:

Colours:



**01** is available in matt coating that is resistant for scratches.

**Packaging:** 15 pcs in carton box.

RAL 6005 M

RAL 8017 M

RAL 7024 M

Visualisation:



# O2

## Edging - tree

Photo:

Technical informations:

Important information:

Colours:



**O2** is available in matt coating that is resistant for scratches.

Packaging: foil sleeve

**O2 A** - 2 pcs in package / **O2 B** - 3 pcs in package

RAL 6005 M

RAL 8017 M

RAL 7024 M

Visualisation:



# 03 Vegetable garden

Photo:

Technical informations:

Important information:

Colours:



**03** is available in matt coating that is resistant for scratches.  
Packaging: carton box include 4 panels and 4 dowels.

RAL 8017 M

RAL 7024 M

Visualisation:



# 04

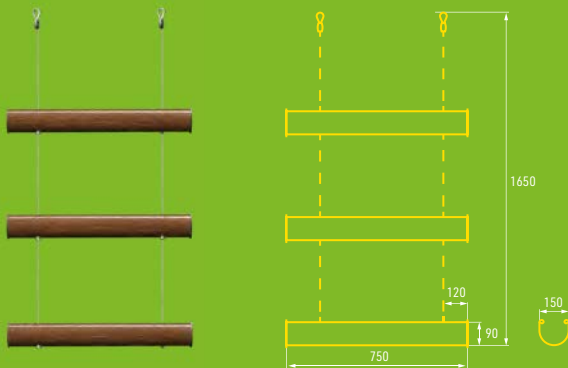
## Hanging gardens

Photo:

Technical informations:

Important information:

Colours:



Packaging: carton box contains 3 aluminum agricultural gutter, assembly rope, carabiner and blocking screws

GOLDEN OAK

BROWN

GRAPHITE

Visualisation:



G1

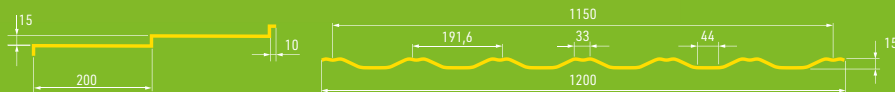


Produktklassen:



Photo:

Technical informations:



Important information:

Number of modules in 1 pc. of panel – 2  
 Length of 1 module – 20 cm / Length of 1 pc. – 41 cm /  
 Number of items in 1 package – 15 / Quantity in 1 package – 7,38

Colours:

DARK OAK

RAL 8017 M

RAL 7024 M

RAL 9005 M



# P1 Aluminium soffit

Photo:



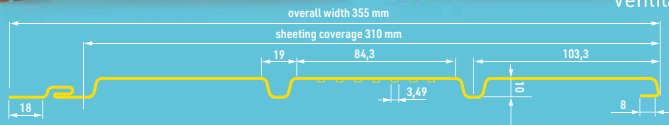
Colours:

GOLDEN OAK

BROWN

GRAPHITE

Technical informations:



Ventilation ceiling



Important information:

The use of UV-resistant lacquered aluminium ensures that our soffits will not deform under the influence of heat.

**Raw material:** lacquered aluminium

**Warranty:**

- ▶ 35 year warranty on the paint coating
- ▶ 30 year warranty on UV radiation

▶ lifetime warranty on perforation

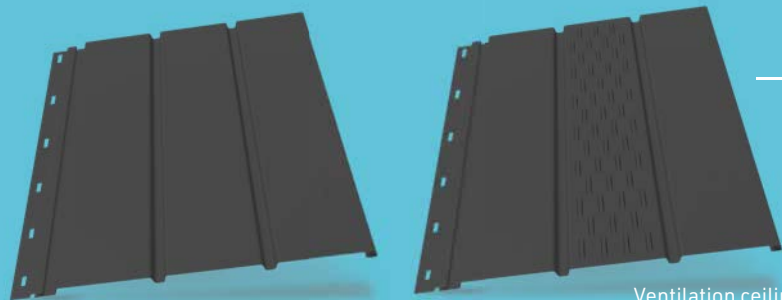
**Packing:**

- 20 pcs. (cardboard packaging, panels protected by polyurethane foam)
- For panels with non-standard lengths – Stretch film packaging



# P2 Steel soffit

Photo:



Technical informations:

Important information:

Aesthetic and easy to install, the soffit works well in every house. In our soffits, both steel and aluminium, there is no need to see mounting screws. Dark and golden oak colours will make your roof coherent with your surroundings and the nature of your appearance.

**Raw material:** coated steel

Colours:



BIRCH

GOLDEN OAK

DARK OAK



MULTIGLOSS

WINCHESTER



RAL 8017 M

RAL 8017 P

RAL 7016 M

RAL 7016 P

RAL 7024 M

RAL 7024 P

RAL 9005 M

**Packing:**

20 pcs. (cardboard packaging, panels protected by polyurethane foam)  
For panels with non-standard lengths - Stretch film packaging

# P1/P2 Slat

Photo:

Technical informations:

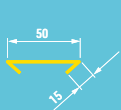
Important information:



„J“ type slat



Masking panel



Internal corner



External corner



The "H" slat consists of a "masking panel" overlapping on two "J" type slats

Colours:



BIRCH

GOLDEN OAK

DARK OAK



MULTIGLOSS

WINCHESTER

RAL 8017 M

RAL 8017 P

RAL 7016 M

RAL 7016 P

RAL 7024 M

RAL 7024 P

RAL 9005 M



Photo:

Important information:

### **GUTTER**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** 3 mb and 4 mb  
ø 125 mm and ø 150 mm

**Package:** 5 pcs. / packed in  
a foil sleeve

### **DOWNSPOUT**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** 1 mb, 3 mb and 4 mb  
ø 100 mm

**Package:** 1 pcs. / packed in  
a foil sleeve

Colours:

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005



**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005

**Photo:**

**Important information:**

**OUTLET HOPPER  
150/100/120**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** ø 125 mm and  
ø 150 mm, ø 100 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box

**90° CORNER  
INTERNAL  
AND EXTERNAL**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** angle of 90° /  
ø 125 mm and ø 150 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box



Photo:

**Important information:**

**135° CORNER  
INTERNAL  
AND EXTERNAL**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** angle of 135° /  
ø 125 mm and ø 150 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box

**ELBOW 60°**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** angle of 60° /  
ø 100 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box

**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005



Photo:

**Important information:**

**OUTLET ELBOW 60°**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** angle of 60° /  
ø 100 mm

**Package:** packed in a plastic sleeve plus a cardboard box



**ACCESS-OUTLET PIPE**

**Material:** powder-coated  
galvanised sheet metal

**Size:** ø 100 mm

**Package:** packed in a plastic sleeve plus a cardboard box

**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005



Photo:

**Important information:**

**TEE 60°**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** angle of 60° /  
ø 100 mm / 100 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box

**GUTTER ENDCAP**

**Material:** Granite®Rain  
ArcelorMittal

**Size:** ø 125 mm and  
ø 150 mm

**Package:** packed in a plas-  
tic sleeve plus a cardboard  
box

**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005



Photo:

**Important information:**

**GUTTER HANGER**

**Material:** galvanised, powder - coated sheet

**Size:**  $\varnothing$  125 mm  
and  $\varnothing$  150 mm

**Package:** packed in a plastic sleeve plus a cardboard box



**SPARRENHAKEN**

**Material:** Flacheisen ZINC and pulverbeschichtet in Systemfarbe

**Size:**  $\varnothing$  125 mm  
and  $\varnothing$  150 mm

**Package:** 50 pcs. / cartoon package

**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005





**Colours:**

RAL 3005

RAL 3009

RAL 6020

RAL 7016

RAL 7024

RAL 8004

RAL 8017

RAL 9005

**Photo:**

**Important information:**

**CONNECTION PIECE**

**Material:** galvanised, powder - coated sheet

**Size:**  $\varnothing$  125 mm  
and  $\varnothing$  150 mm

**Package:** packed in a plastic sleeve plus a cardboard box

**CLAMP, CLAMP PLATE  
FLANGE AND DOWEL**

**Material:** powder-coated galvanised sheet metal

**Package:** packed in a plastic sleeve plus a cardboard box

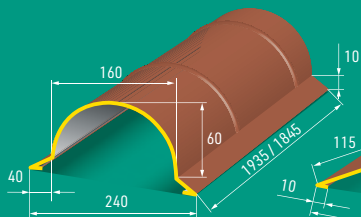
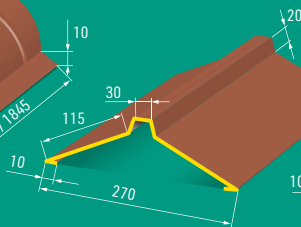
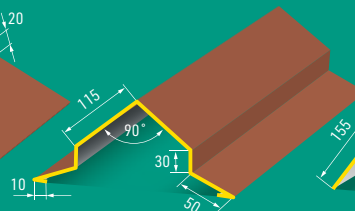
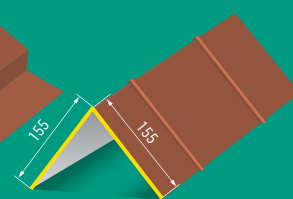
**Ridge tile****Straight ridge tile****Conical ridge****Straight ridge**

Photo:

Technical informations:

Important information:

**Ridge tiles and ridges**

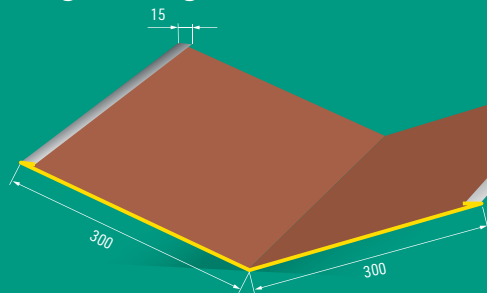
Ridge tiles and ridges protect the top of the roof against water and snow (during rainfall). It also protects against other external factors that could get under the roof cover.

Photo:

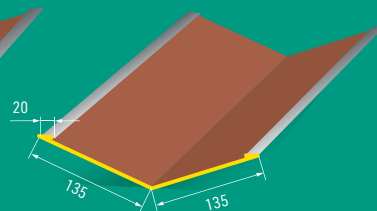
Technical informations:

Important information:

### Large basket gutter



### Small basket gutter



### Basket gutters

Basket gutters are elements mounted on the roof slope connection. This zone is exposed to the heaviest loads of water or snow. The basket treatment is additionally sealed

with self-adhesive wedges, which protect against water and snow blowing, as well as allow for proper ventilation.

### Lower gutter belt

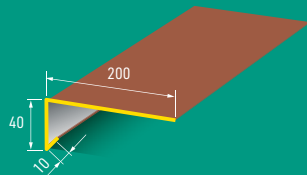


Photo:

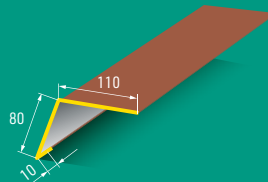
Technical informations:

Important information:

#### Gutter belt

The gutter belt is mounted on the front panel of the building. In addition to its aesthetic qualities, it prevents the front board from getting wet.

### Upper gutter belt



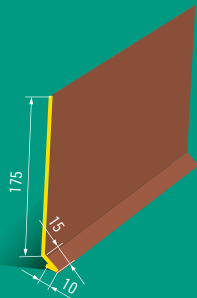
The purpose of the **upper gutter belt** is to protect the soffit and walls of the building against water and snow blowing between the roof sheeting and Roof gutter. Protects the wall against dampness and damage to the building facade.

Photo:

Technical informations:

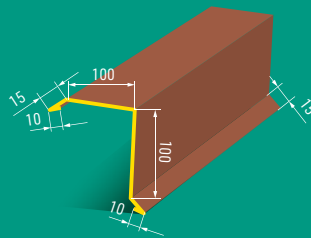
Important information:

### Bottom drip edge



The bottom drip edge is a supplement to the upper drip edge, i.e. if the side edge of the roof is wider than 10 cm, then we use the bottom drip edges, which we put under the top drip edges, without covering the board or the side rafters of the roof.

### Upper drip edge



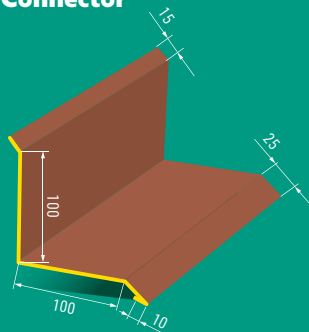
The upper drip edge overlaps the approximately ten centimetre-long section of the roof slope, while the other overlaps the side edge of the roof. Its purpose is to protect the side edge of the roof from being blown up by the wind, as well as to prevent water from getting under the roofing.

Photo:

Technical informations:

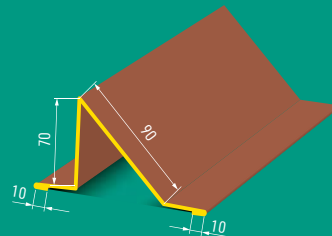
Important information:

**Connector**

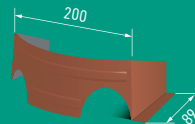


The connector is mounted on a combination of different materials. The rafter works all the time – that is why there is a need for the use of bevel flashings, where one flashing is fixed to the slope and an additional protective strip to the masonry.

**Snow barrier**



**Snow catcher**



The Snow barrier and snow catcher are designed to prevent gutters from being torn off by sliding snow, as well as to prevent damage from falling overhangs (in front of the building).

# E7

Photo:



Technical informations:



Important information:

Cut to the size  
 Max. recommended sheet length - 6 m  
 Effective width - 1140 mm

Quality classes:

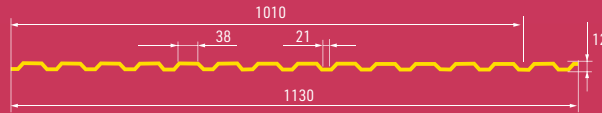


# E12



Photo:

Technical informations:



Important information:

Cut to the size  
 Max. recommended sheet length - 8 m  
 Effective width - 1010 mm

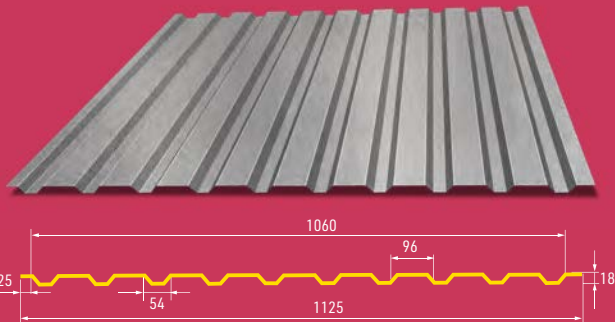
Quality classes:





# E18

Photo:



Technical informations:

Important information:

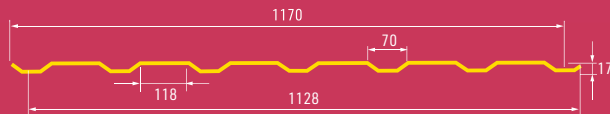
Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1060 mm

Quality classes:



# E18 plus

Photo:



Technical informations:

Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1170 mm

Quality classes:

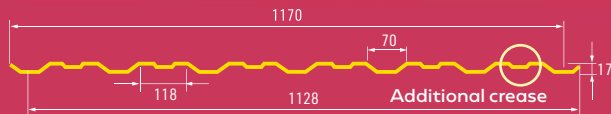


# E18 plusMAX

Photo:



Technical informations:



Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1170 mm

Quality classes:



# E35

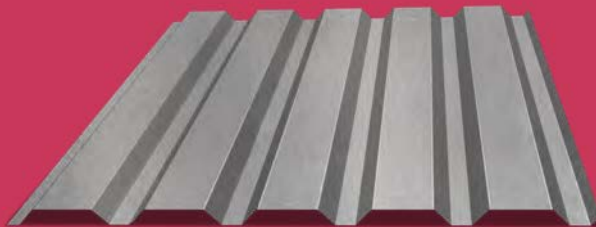
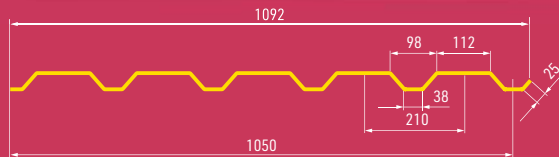


Photo:

Technical informations:

Important information:



Cut to the size

Max. recommended sheet length - 12,5 m

Effective width - 1050 mm

Quality classes:

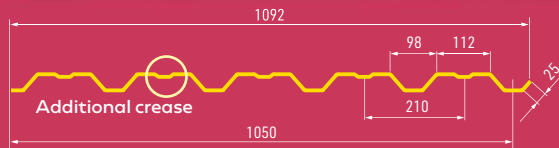


# E35 MAX

Photo:



Technical informations:



Important information:

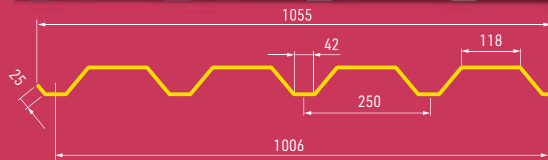
Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1050 mm

Quality classes:



# E55

Photo:



Technical informations:

Important information:

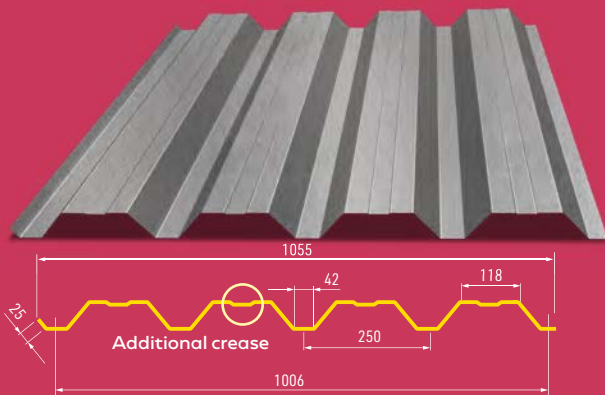
Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1006 mm

Quality classes:



# E55 MAX

Photo:



Technical informations:

Important information:

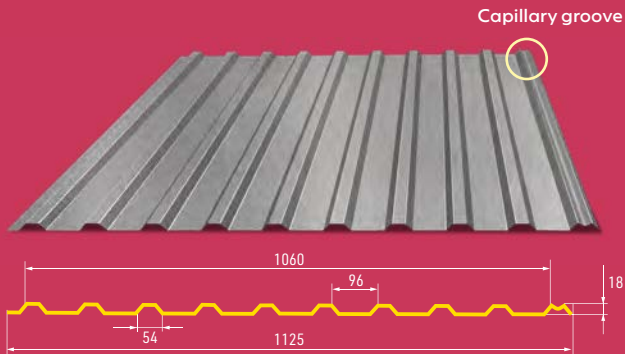
Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1006 mm

Quality classes:



# T18

Photo:



Technical informations:

Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1060 mm  
 Min. slope inclination - 15°

Capillary groove

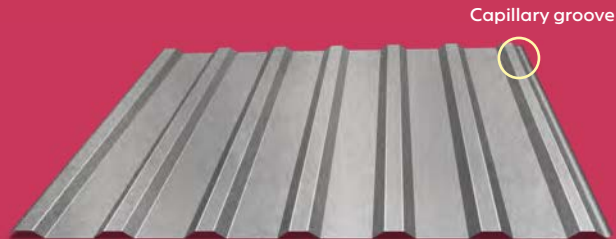
Quality classes:



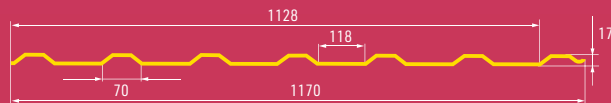


# T18 plus

Photo:



Capillary groove



Technical informations:

Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1128 mm  
 Min. slope inclination - 15°

Quality classes:



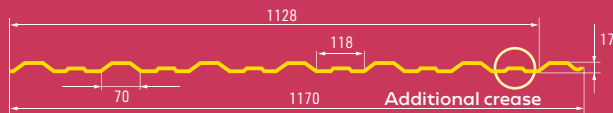
# T18

## plusMAX

Photo:



Capillary groove



Technical informations:

Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1128 mm  
 Min. slope inclination - 15°

Quality classes:

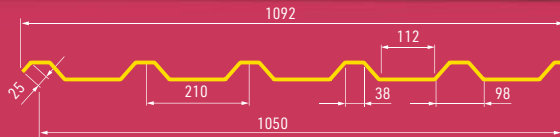


# T35

Photo:



Technical informations:



Important information:

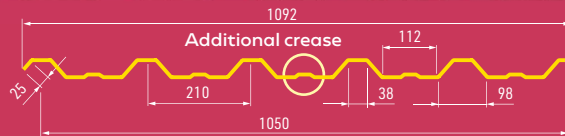
Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1050 mm  
 Min. slope inclination - 15°

Quality classes:



# T35 MAX

Photo:



Technical informations:

Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1050 mm  
 Min. slope inclination - 15°

Quality classes:

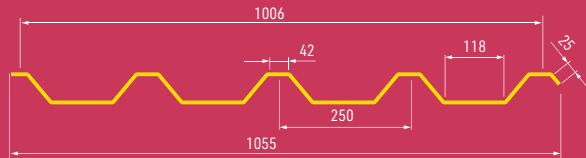


# T55



Photo:

Technical informations:



Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1006 mm  
 Min. slope inclination - 15°

Quality classes:



# T55 MAX

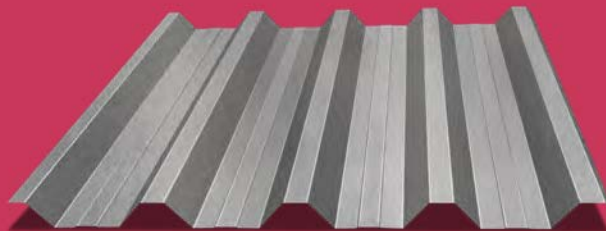
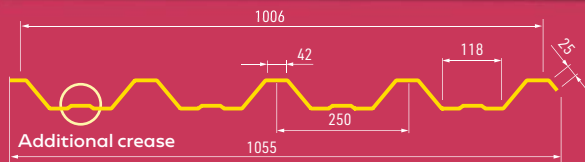


Photo:

Technical informations:



Important information:

Cut to the size  
 Max. recommended sheet length - 12,5 m  
 Effective width - 1006 mm  
 Min. slope inclination - 15°

Quality classes:





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**Classes:**

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**Important information:**

STANDARD class sheets with anti-corrosive coatings can be classified as economic products. These products are characterized by good durability and low purchase costs. They are particularly recommended for the implementation of roof coverings protecting farm buildings, shelters or garages.

The '15-year SUPER sheet metal warranty covers products with improved strength parameters and improved aesthetic standards. They are recommended for the implementation of roof coverings in the standard construction industry. They work well in places exposed to adverse factors. SUPER class sheets are high strength steel in combination with anti-corrosive and aesthetically pleasing decorative varnishes.

Why does this class stand out on the plus side? Because the thickness of SUPER PLUS is up to 0,50 mm in positive tolerance — the thickest plate on the market in this segment, which makes it stiffer and more stable.



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**Classes:**

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**Important information:**

DE LUXE class sheets represent the most modern technologies in the production of steel sheets. The use of the highest quality steel, protected by exceptionally strong protective layers, makes this class of roofing suitable for long-term use in elegant projects. DE LUXE class sheets are characterized by reliable durability and attractive aesthetics.

Class 0,7 is a high quality sheet metal for industrial applications. This class is recommended for high quality trapezoidal façade sheets with a thickness of 0,7 mm.

AL class products are made of lacquered aluminum with exceptional stiffness, strength, lightness and resistance to weather conditions.





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**Classes:**

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**Important information:**

AZ class products are made of aluzinc. The use of aluminium and zinc alloy makes them more resistant to aggressive weather conditions than conventional galvanized sheets.

Z class is a product made of galvanized sheet metal.

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**Classes:**

Long Version class products are cut to size. According to the customer's specification.



Module Version class is a modular sheet consisting of one or two embossed modules. This minimises the amount of waste when laying the roof. Modular sheets are easier to transport and store safely (often one roof space on one Euro pallet). Easier installation of the modular roofing (there is no need to drag long sheets on the roof to risk damage) or its possible repair.

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**Important information:**


**Classes:**
**Important information:**
**GLOSS**

|         |         |
|---------|---------|
| RAL3005 | RAL3011 |
| RAL7024 | RAL8004 |
| RAL8017 |         |
| ALUZINC | ZINC    |

**MATT**

|         |         |
|---------|---------|
| RAL7024 | RAL8004 |
| RAL8017 | RAL9005 |

|            |            |
|------------|------------|
| BIRCH      | GOLDEN OAK |
| DARK OAK   | MULTIGLOSS |
| WINCHESTER |            |

**GLOSS**

|         |         |
|---------|---------|
| RAL3005 | RAL3009 |
| RAL3011 | RAL5010 |
| RAL6005 | RAL7016 |
| RAL7024 | RAL7035 |
| RAL8004 | RAL8017 |
| RAL9002 | RAL9005 |
| RAL9006 | RAL9007 |
| RAL9010 | ALUZINC |
| ZINC    |         |

**MATT**

|         |         |
|---------|---------|
| RAL3005 | RAL3009 |
| RAL3011 | RAL6020 |
| RAL7016 | RAL7024 |
| RAL8004 | RAL8017 |
| RAL8019 | RAL9005 |

**GLOSS**

|         |         |
|---------|---------|
| RAL3011 | RAL7016 |
| RAL7024 | RAL8004 |
| RAL8017 | RAL9005 |

**MATT**

|         |         |
|---------|---------|
| RAL3005 | RAL7016 |
| RAL7024 | RAL8004 |
| RAL8017 | RAL8019 |
| RAL9005 |         |



## QUALITY CLASSES:

Classes:

**Swiss Ceramic<sup>+</sup>**

RAL7024

RAL8017

RAL9005



GLOSS

RAL3011

RAL5010

RAL7016

RAL7024

RAL8004

RAL8017

RAL9002

RAL9006

RAL9010

ALUZINC

ZINC



ALUMINIUM



ALUZINC



ZINC

Important information:



[www.hornval.eu](http://www.hornval.eu)

EVERY  
THING  
ABOUT  
YOUR  
ROOF